

**Amendments to the Claims:**

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) An illumination ~~device comprising~~device, comprising:  
\_\_\_\_\_ a light-emitting tube having a light-emitting member and sealing members  
located on two sides of the light emitting member, the light emitting member including a pair  
of electrodes, light emission being carried out between the pair of electrodes in which light  
~~emission is carried out between a pair of electrodes and sealing members located on both~~  
~~sides of said light emitting member,;~~  
\_\_\_\_\_ a first reflecting mirror for holding said to hold the light-emitting tube,  
reflecting reflect the light emitted from said from the light-emitting tube, and directing direct  
the light forward, and forward;  
\_\_\_\_\_ a transparent plate disposed in formed at the distal end portion of said of the  
first reflecting mirror, said illumination device being characterized in that mirror;  
a second reflecting mirror that encloses a front portion of said of the light-  
emitting member and reflects the light from said from the light-emitting member toward  
said toward the first reflecting mirror, the second reflecting mirror is being fixedly attached to  
at least one of said of the sealing member and said and the transparent plate,  
said transparent the transparent plate and said and the second reflecting mirror  
are being brought into contact or mounted in a fixedly attached condition, and at least one of  
said of the transparent plate and said and the second reflecting mirror is being brought into  
contact or fixedly attached to said to the sealing member.
2. (Currently Amended) The illumination device according to claim 1,  
~~characterized in that said the fixed attachment is being~~ carried out with an adhesive.

3. (Currently Amended) The illumination device according to claim 2, ~~characterized in that said~~the adhesive is being an aluminum nitride-based adhesive or an adhesive based on a mixture of silica and alumina.

4. (Currently Amended) The illumination device according to claim 1, ~~characterized in that said~~the transparent plate is being composed of either a transparent material with a low thermal expansion coefficient or a transparent material with a high thermal conductivity.

5. (Currently Amended) The illumination device according to claim 1, ~~characterized in that a substrate of said~~of the second reflecting mirror is being composed of either a material with a low thermal expansion coefficient or a material with a high thermal conductivity.

6. (Currently Amended) The illumination device according to claim 1, ~~characterized in that a heat radiation fin is~~being provided at the outer peripheral portion of ~~said~~of the transparent plate.

7. (Currently Amended) The illumination device according to claim 1, ~~characterized in that one end of said~~of the sealing member ~~protrudes~~protruding from the region surrounded ~~by said~~by the first reflecting mirror ~~and said~~and the transparent plate ~~through said~~through the transparent plate into an open region.

8. (Currently Amended) An illumination ~~device comprising~~device, comprising:  
\_\_\_\_\_ a light-emitting tube having a light-emitting member ~~in which light emission is~~  
~~carried out between said pair of electrodes~~ and sealing members located on both sides of  
~~said~~of the light-emitting ~~member,~~ member, the light-emitting member including a pair of  
electrodes, light emission is carried out between a pair of electrodes;

a first reflecting mirror ~~for holding said~~ to hold the light-emitting tube, ~~reflecting and reflect~~ the light emitted ~~from said~~ from the light-emitting tube, and ~~direct~~ directing the light ~~forward, and forward;~~

                     a transparent plate disposed in the distal end portion ~~of said~~ of the first reflecting mirror, ~~said illumination device being characterized in that~~ mirror;

a second reflecting mirror that encloses a front portion ~~of said~~ of the light-emitting member and reflects the light ~~from said~~ from the light-emitting member ~~toward said~~ toward the first reflecting mirror, ~~the second reflecting mirror is being~~ fixedly attached to ~~said~~ to the transparent plate, ~~plate;~~ and

a gap ~~is being~~ provided ~~between said~~ between the transparent plate, ~~said second~~ the second reflecting mirror, ~~and said~~ and the light-emitting tube.

9. (Currently Amended) The illumination device according to claim 8, ~~characterized in that said~~ the fixed attachment ~~is being~~ carried out with an adhesive.

10. (Currently Amended) The illumination device according to claim 8, ~~characterized in that said~~ the transparent plate ~~is being~~ composed of either a transparent material with a low thermal expansion coefficient or a transparent material with a high thermal conductivity.

11. (Currently Amended) The illumination device according to claim 8, ~~characterized in that a~~ substrate ~~of said~~ of the second reflecting mirror ~~is being~~ composed of either a material with a low thermal expansion coefficient or a material with a high thermal conductivity.

12. (Currently Amended) The illumination device according to claim 8, ~~characterized in that a~~ heat radiation fin ~~is being~~ provided ~~at the~~ at an outer peripheral portion ~~of said~~ of the transparent plate.

13. (Currently Amended) The illumination device according to claim 8, ~~characterized in that~~ one end of ~~said~~of the sealing member ~~protrudes~~protruding from the region surrounded ~~by said~~by the first reflecting mirror ~~and said~~and the transparent plate ~~through said~~through the transparent plate into an open region.

14. (Currently Amended) An illumination ~~device comprising~~device, comprising:  
 \_\_\_\_\_ a light-emitting tube having a light-emitting member and sealing members located on two sides of the light emitting member, the light emitting member including a pair of electrodes, light emission being carried out between the pair of electrodes ~~in which light emission is carried out between said pair of electrodes and sealing members located on both sides of said light emitting member;~~

\_\_\_\_\_ a first reflecting mirror ~~for holding said~~to hold the light-emitting tube, ~~reflecting~~reflect the light emitted ~~from said~~from the light-emitting tube, and ~~directing~~direct the light ~~forward, and~~forward;

\_\_\_\_\_ a transparent plate disposed in the distal end portion ~~of said~~of the first reflecting mirror, ~~said mirror; and illumination device being characterized in that~~

~~a substrate of said~~ a second reflecting mirror that encloses a front portion ~~of said~~of the light-emitting member and reflects the light ~~from said~~from the light-emitting member ~~toward said~~toward the first reflecting mirror, the second reflecting mirror is formed integrally with saidwith the transparent plate.

15. (Currently Amended) The illumination device according to claim 14, ~~characterized in that said~~the transparent plate is being composed of either a transparent material with a low thermal expansion coefficient or a transparent material with a high thermal conductivity.

16. (Currently Amended) The illumination device according to claim 14, ~~characterized in that~~ a substrate ~~of said~~of the second reflecting mirror being is composed of

either a material with a low thermal expansion coefficient or a material with a high thermal conductivity.

17. (Currently Amended) The illumination device according to claim 14, ~~characterized in that~~ a heat radiation fin ~~is being~~ provided at ~~the outer~~ an outer peripheral portion ~~of said of the~~ transparent plate.

18. (Currently Amended) The illumination device according to claim 14, ~~characterized in that~~ one end ~~of said of the~~ sealing member ~~protrudes~~ protruding from the ~~region~~ a region surrounded ~~by said by the~~ first reflecting mirror ~~and said and the~~ transparent plate ~~through said through the~~ transparent plate into an open region.

19. (Currently Amended) An illumination ~~device comprising~~ device, comprising:  
 \_\_\_\_\_ a light-emitting tube having a light-emitting member and sealing members located on two sides of the light emitting member, the light emitting member including a pair of electrodes, light emission being carried out between the pair of electrodes ~~in which light emission is carried out between a pair of electrodes and sealing members located on both sides of said light-emitting member;~~

\_\_\_\_\_ a first reflecting mirror ~~for holding said to hold the~~ light-emitting tube, ~~reflecting~~ reflect the light emitted ~~from said from the~~ light-emitting tube, and ~~directing~~ direct the light ~~forward, and forward;~~

\_\_\_\_\_ a transparent plate disposed in ~~the distal~~ a distal end portion ~~of said of the~~ first reflecting ~~mirror, mirror; and said illumination device being characterized in that~~

\_\_\_\_\_ ~~it comprises~~ a second reflecting mirror that encloses a front portion of the light-emitting member and reflects the light ~~from said from the~~ light-emitting member toward ~~said first the first~~ reflecting mirror, and

\_\_\_\_\_ ~~said the~~ second reflecting mirror ~~is being~~ disposed opposite to ~~the outer an~~ outer peripheral surface of said of the light-emitting member with a gap being formed

therebetween and ~~is being~~ fixedly attached by being pressed against ~~the outer~~ an outer periphery ~~of said of the~~ sealing member in the vicinity ~~of said of the~~ light-emitting member with a spring wound around the outer peripheral surface with a gap therebetween.

20. (Currently Amended) The illumination device according to claim 19, ~~characterized in that said the~~ spring ~~is being~~ composed of an electrically conductive coil and one end ~~of said of the~~ electrically conductive coil ~~is being~~ connected to a lead wire led out from a sealing member on ~~the side~~ a side opposite to that ~~where said where the~~ spring is disposed.

21. (Currently Amended) The illumination device according to claim 19, ~~characterized in that said the~~ transparent plate ~~is being~~ fixedly attached ~~to said to the~~ sealing member with an adhesive.

22. (Currently Amended) The illumination device according to claim 19, ~~characterized in that said the~~ transparent plate ~~is being~~ composed of either a transparent material with a low thermal expansion coefficient or a transparent material with a high thermal conductivity.

23. (Currently Amended) The illumination device according to claim 19, ~~characterized in that a~~ substrate ~~of said of the~~ second reflecting mirror ~~is being~~ composed of either a material with a low thermal expansion coefficient or a material with a high thermal conductivity.

24. (Currently Amended) The illumination device according to claim ~~21~~ 19, ~~characterized in that said the~~ adhesive ~~is being~~ an aluminum nitride-based adhesive or an adhesive based on a mixture of silica and alumina.

25. (Currently Amended) The illumination device according to claim 19, ~~characterized in that a~~ heat radiation fin ~~is being~~ provided at the outer peripheral portion ~~of said of the~~ transparent plate.

26. (Currently Amended) The illumination device according to claim 19, characterized in that one end of said ~~of the~~ sealing member ~~protrudes~~ protruding from the region surrounded by said ~~by the~~ first reflecting mirror and said ~~and the~~ transparent plate through said ~~through the~~ transparent plate into an open region.

27. (Currently Amended) A ~~projector comprising~~ projector, comprising:  
 \_\_\_\_\_ an illumination device ~~and device;~~  
 \_\_\_\_\_ a light modulation device ~~for receiving~~ to receive an incident light from said ~~from the~~ illumination device and ~~modulating said~~ modulate the incident light according to ~~the~~ a given image-video information, characterized in that  
 \_\_\_\_\_ said ~~the~~ illumination device is ~~being~~ an illumination device comprising including: a light-emitting tube having a light-emitting member and sealing members located on two sides of the light emitting member, the light emitting member including a pair of electrodes, light emission being carried out between the pair of electrodes in which light emission is carried out between a pair of electrodes and sealing members located on both sides of said light emitting member;  
 \_\_\_\_\_ a first reflecting mirror ~~for holding said~~ to hold the light-emitting tube, reflecting ~~reflect~~ the light emitted from said ~~from the~~ light-emitting tube, and ~~directing~~ direct the light forward, ~~and forward;~~  
 \_\_\_\_\_ a transparent plate disposed in the distal end portion of said ~~of the~~ first reflecting ~~mirror,~~ mirror; and

a second reflecting ~~mirror~~ mirror, that encloses a front portion of said ~~of the~~ light-emitting member and reflects the light from said ~~from the~~ light-emitting member toward said ~~first the first~~ reflecting ~~mirror is~~ mirror, being fixedly attached to at least one of said ~~of the~~ sealing member and said ~~and the~~ transparent plate,

~~said the~~ transparent plate ~~and said and the~~ second reflecting mirror ~~are being~~ brought into contact or fixedly attached, and at least one ~~of said of the~~ transparent plate ~~and said and the~~ second reflecting mirror ~~is being~~ brought into contact or fixedly attached ~~to said to~~ the sealing member.

28. (Currently Amended) The ~~projector illumination device~~ according to claim 27, ~~characterized in that said the~~ fixed attachment ~~is being~~ carried out with an adhesive.

29. (Currently Amended) The ~~projector illumination device~~ according to claim 27, ~~characterized in that said the~~ adhesive ~~is being~~ an aluminum nitride-based adhesive or an adhesive based on a mixture of silica and alumina.

30. (Currently Amended) The ~~projector illumination device~~ according to claim 27, ~~characterized in that said the~~ transparent plate ~~is being~~ composed of either a transparent material with a low thermal expansion coefficient or a transparent material with a high thermal conductivity.

31. (Currently Amended) The ~~projector illumination device~~ according to claim 27, ~~characterized in that a~~ substrate ~~of said of the~~ second reflecting mirror ~~is being~~ composed of either a material with a low thermal expansion coefficient or a material with a high thermal conductivity.

32. (Currently Amended) The ~~projector illumination device~~ according to claim 27, ~~characterized in that a~~ heat radiation fin ~~is being~~ provided at the outer peripheral portion ~~of said of the~~ transparent plate.

33. (Currently Amended) The ~~projector illumination device~~ according to claim 27, ~~characterized in that one end of said of the~~ sealing member ~~protrudes protruding~~ from the region surrounded ~~by said by the~~ first reflecting mirror ~~and said and the~~ transparent plate ~~through said through the~~ transparent plate into an open region.

34. (Currently Amended) A ~~projector comprising~~ projector, comprising:



\_\_\_\_\_ an illumination ~~device and device~~;  
 \_\_\_\_\_ a light modulation device ~~for receiving~~ to receive an incident light ~~from~~  
~~said from the~~ illumination device and ~~modulating said~~ modulate the incident light according to  
 the ~~given a given image video~~ information, ~~characterized in that~~ information;

~~said the~~ illumination device is ~~being~~ an illumination device ~~comprising~~  
including:

\_\_\_\_\_ a light-emitting tube having a light-emitting member and sealing members  
located on two sides of the light emitting member, the light emitting member including a pair  
of electrodes, light emission being carried out between the pair of electrodes in which light  
~~emission is carried out between said pair of electrodes and sealing members located on both~~  
~~sides of said light emitting member;~~;

\_\_\_\_\_ a first reflecting mirror ~~for holding said~~ to hold the light-emitting tube,  
~~reflecting reflect~~ the light emitted ~~from said from the~~ light-emitting tube, and ~~directing direct~~  
 the light forward, ~~and forward~~;

\_\_\_\_\_ a transparent plate disposed in ~~the distal a distal~~ distal end portion ~~of said of the~~ first  
 reflecting ~~mirror, and mirror~~;

a second reflecting mirror ~~that that~~ encloses a front portion of said of the light-  
 emitting member and reflects the light ~~from said from the~~ light-emitting member ~~toward~~  
~~said toward the~~ first reflecting ~~mirror is mirror, being~~ fixedly attached to said to the transparent  
 plate, ~~and plate~~; and

a gap is ~~being~~ provided between said between the transparent plate, ~~said~~  
~~second the second~~ reflecting mirror, ~~and said and the~~ light-emitting tube.

35. (Currently Amended) The ~~projector illumination device~~ according to claim 34,  
~~characterized in that said the~~ fixedly attached attachment is ~~being~~ carried out with an adhesive.

36. (Currently Amended) The ~~projector illumination device~~ according to claim 34, ~~characterized in that said~~ the transparent plate is being composed of either a transparent material with a low thermal expansion coefficient or a transparent material with a high thermal conductivity.

37. (Currently Amended) The ~~projector illumination device~~ according to claim 34, ~~characterized in that a substrate of said~~ of the second reflecting mirror is being composed of either a material with a low thermal expansion coefficient or a material with a high thermal conductivity.

38. (Currently Amended) The ~~projector illumination device~~ according to claim 34, ~~characterized in that a heat radiation fin is~~ being provided at ~~an~~ the outer peripheral portion of ~~said~~ of the transparent plate.

39. (Currently Amended) The ~~projector illumination device~~ according to claim 34, ~~characterized in that one end of said~~ of the sealing member ~~protrudes~~ protruding from the region surrounded ~~by said~~ by the first reflecting mirror ~~and said~~ and the transparent plate ~~through said~~ through the transparent plate into an open region.

40. (Currently Amended) A ~~projector comprising~~ projector, comprising:  
\_\_\_\_\_ an illumination device and device;  
\_\_\_\_\_ a light modulation device for receiving to receive an incident light from  
said from the illumination device and modulating said modulate the incident light according to  
the to a given image video information, characterized in that information;

~~said the~~ illumination device is being an illumination device ~~comprising~~  
including:

\_\_\_\_\_ a light-emitting tube having a light-emitting member and sealing members  
located on two sides of the light emitting member, the light emitting member including a pair  
of electrodes, light emission being carried out between the pair of electrodes and sealing

~~members in which light emission is carried out between said pair of electrodes and sealing members located on both sides of said light-emitting member;~~

~~\_\_\_\_\_ a first reflecting mirror for holding said to hold the light-emitting tube, reflecting reflect the light emitted from said from the light-emitting tube, and directing direct the light forward, and forward; and~~

~~\_\_\_\_\_ a transparent plate disposed in the distal a distal end portion of said of the first reflecting mirror, mirror; and~~

~~a substrate of said second reflecting mirror that encloses a front portion of said of the light-emitting member and reflects the light from said from the light-emitting member toward said first the first reflecting mirror, the second reflecting mirror is being formed integrally with said with the transparent plate.~~

41. (Currently Amended) The ~~projector illumination device~~ according to claim 40, ~~characterized in that said the~~ transparent plate is being composed of either a transparent material with a low thermal expansion coefficient or a transparent material with a high thermal conductivity.

42. (Currently Amended) The ~~projector illumination device~~ according to claim 40, ~~characterized in that a substrate of said of the~~ second reflecting mirror is being composed of either a material with a low thermal expansion coefficient or a material with a high thermal conductivity.

43. (Currently Amended) The ~~projector illumination device~~ according to claim 40, ~~characterized in that a heat radiation fin is being~~ provided at the outer peripheral portion of ~~said of the~~ transparent plate.

44. (Currently Amended) The ~~projector illumination device~~ according to claim 40, ~~characterized in that one end of said of the~~ sealing member ~~protrudes protruding~~ from the

region surrounded by ~~said first~~the first reflecting mirror ~~and said~~and the transparent plate ~~through said~~through the transparent plate into an open region.

45. (Currently Amended) A ~~projector comprising~~projector, comprising:  
 \_\_\_\_\_ an illumination device and a light modulation device ~~for receiving~~to receive an incident light ~~from said~~from the illumination device and ~~modulating said~~modulate the incident light according to ~~the given~~a given ~~image~~video information, ~~characterized in that~~  
 \_\_\_\_\_ ~~said the~~the illumination device is ~~an illumination device comprising~~including:  
 \_\_\_\_\_ a light-emitting tube having a light-emitting member and sealing members located on two sides of the light emitting member, the light emitting member including a pair of electrodes, light emission being carried out between the pair of electrodes ~~in which light emission is carried out between a pair of electrodes and sealing members located on both sides of said light emitting member,~~  
 \_\_\_\_\_ a first reflecting mirror ~~for holding said~~to hold the light-emitting tube, ~~reflecting~~reflect the light emitted ~~from said~~from the light-emitting tube, and ~~directing~~direct the light forward, ~~and forward~~;  
 \_\_\_\_\_ a transparent plate disposed in ~~the distal~~a distal end portion ~~of said~~of the first reflecting ~~mirror,~~mirror;

~~said illumination device comprises~~ a second reflecting mirror that encloses a front portion of the light-emitting member and reflects the light ~~from said~~from the light-emitting member toward ~~said first~~the first reflecting mirror, and  
 \_\_\_\_\_ ~~said the~~the second reflecting mirror is being disposed opposite ~~to the~~to an outer peripheral surface ~~of said~~of the light-emitting member with a gap being formed therebetween and being ~~is~~ fixedly attached by being pressed against ~~the outer~~an outer periphery ~~of said~~of the sealing member in the vicinity ~~of said~~of the light-emitting member with a spring wound around the outer peripheral surface with a gap therebetween.

46. (Currently Amended) The ~~projectorillumination device~~ according to claim 45, characterized in that ~~said~~the spring is ~~being~~ composed of an electrically conductive coil and one end ~~of said~~of the electrically conductive coil is ~~being~~ connected to a lead wire led out from a sealing member on the side opposite to that ~~where said~~where the spring is disposed.

47. (Currently Amended) The ~~projectorillumination device~~ according to claim 45, characterized in that ~~said~~the transparent plate is ~~being~~ fixedly attached to ~~said~~to the sealing member with an adhesive.

48. (Currently Amended) The ~~projectorillumination device~~ according to claim 45, characterized in that ~~said~~the transparent plate is ~~being~~ composed of either a transparent material with a low thermal expansion coefficient or a transparent material with a high thermal conductivity.

49. (Currently Amended) The ~~projectorillumination device~~ according to claim 45, characterized in that a ~~substrate of said~~the second reflecting mirror is ~~including a substrate~~ composed of either a material with a low thermal expansion coefficient or a material with a high thermal conductivity.

50. (Currently Amended) The ~~projectorillumination device~~ according to claim 473, ~~the~~ adhesive is ~~being~~ an aluminum nitride-based adhesive or an adhesive based on a mixture of silica and alumina.

51. (Currently Amended) The ~~projectorillumination device~~ according to claim 45, characterized in that a heat radiation fin is ~~being~~ provided at ~~the outer~~an outer peripheral portion ~~of said~~of the transparent plate.

52. (Currently Amended) The ~~projectorillumination device~~ according to claim 45, characterized in that one end ~~of said~~of the sealing member ~~protrudes~~protruding from the region surrounded ~~by said~~by the first reflecting mirror ~~and said~~and the transparent plate ~~through said~~through the transparent plate into an open region.

53. (New) The illumination device according to claim 9, the adhesive being an aluminum nitride-based adhesive or an adhesive based on a mixture of silica and alumina.

54. (New) The projector according to claim 35, the adhesive being an aluminum nitride-based adhesive or an adhesive based on a mixture of silica and alumina.

**Amendments to the Drawings:**

The attached replacement drawing sheets make changes to Figs. 2, 4, 6 and 9 and replace the original sheets with Figs. 2, 4, 6, 9 and 10.

Attachment: Replacement Sheets